

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2002047206 A

(43) Date of publication of application: 12.02.02

(51) Int. Cl      **A61K 45/00**  
**A61K 31/365**  
**A61P 25/16**  
**A61P 25/28**  
**A61P 43/00**  
**C12N 9/99**  
**// C07D313/00**  
**C07D407/06**  
**C07D407/14**  
**C12P 21/02**

(21) Application number: 2000233189  
(22) Date of filing: 28.07.00

(71) Applicant: TAISHO PHARMACEUT CO LTD  
(72) Inventor: CHAGI SHIGEYUKI  
AKAMA TOMOKO  
NISHIGUCHI MARIKO  
TOKUGAWA KIMIKO

(54) ACCELERATOR FOR GDNF PRODUCTION,  
THERAPEUTIC AGENT FOR PARKINSON'S  
DISEASE AND THERAPEUTIC AGENT FOR ALS

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain an accelerator for the glial cell line-derived neurotrophic factor(GDNF) production usable as a therapeutic agent for Parkinson's diseases and a therapeutic agent for amyotrophic lateral sclerosis(ALS).

SOLUTION: A compound having an activity for inhibiting a V type ATPase, its pharmaceutically acceptable salt or prodrug is used as the accelerator for the GDNF production.

COPYRIGHT: (C)2002,JPO

図 1

